

Great Lakes RESTORATION at NOAA

The Great Lakes comprise the largest freshwater ecosystem on Earth. The restoration and protection of the Great Lakes is vital as they contain 95 percent of the surface freshwater in the United States and more coastline than the entire East Coast. To contribute to the restoration of the Great Lakes, nearly \$1.6 billion has been invested in the region since 2010 by means of the Great Lakes Restoration Initiative (GLRI). As one of 13 Federal Agencies collaborating with U.S. EPA to implement this effort, the National Oceanic and Atmospheric Administration (NOAA) has been allocated over \$145 million since 2010 to help accomplish restoration goals using its ground-breaking science, data products and services, predictive capabilities, and partnerships.

NOAA is making significant contributions to the restoration of the Great Lakes through the GLRI by expanding and enhancing many existing programs and implementing new innovative projects that address the GLRI Action Plan.

GLRI Funded Projects

Toxic Substances & Areas of Concern

- Enhanced NOAA Mussel Watch in the Great Lakes
- Modeling Atmospheric Mercury Deposition
- Great Lakes DIVER Data Warehouse, Visualization and Query Tools for AOCs
- Technical Assistance for AOCs
- Manistique River AOC Remediation and Restoration

Nonpoint Source Pollution Impacts on Nearshore Health

- Assessment of Agricultural and Urban Watershed Phosphorus Loading Impacts on HAB Formation and Nearshore Water Quality
- Great Lakes Clean Marina Program
- Applying Green Infrastructure in Waterfront Redevelopment
- Implementation of Nutrient Reduction Projects in Agricultural Watersheds

Invasive Species

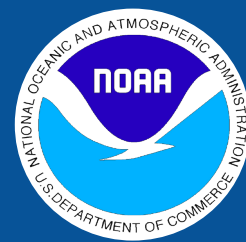
- GLANSIS (Great Lakes Aquatic Nonindigenous Species Information System)

Habitats and Species

- Coastal and Estuarine Land Conservation Grant Program
- Area of Concern Habitat Restoration Partnerships

Accountability, Education, Monitoring, Evaluation, Communication, and Partnership

- Implementing a Great Lakes Observing and Response System
- LaMPs and Land Cover Assessment
- B-WET
- Lake Level Viewer



www.regions.noaa.gov/great-lakes/great_lakes-restoration-initiative/

U.S. Department of Commerce

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"We must leave the Great Lakes better for the next generation than the condition in which we inherited them."

- Great Lakes Restoration Initiative Action Plan

